

November 23, 2007

EARTH TOOL COMPANY, LLC  
HERB QUGLEY  
1300 CAPITOL DR  
PO BOX 3  
OCONOMOWOC WI 53066

EARTH TOOL COMPANY LLC  
BRIAN BISCHEL  
1300 CAPITAL DR  
OCONOMOWOC WI 53066

Re: Description: PIPE BURSTING / REPLACEMENT, ALTERNATE PLUMBING SYSTEM  
Manufacturer: EARTH TOOL COMPANY LLC  
Product Name: HAMMERHEAD PIPEBURSTING SYSTEM  
Model Number(s): NONE  
Product File No: 20070481

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. Comm 82.30(11)(e) & 84.30(2)(b)&(c) based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of November 2012.

This approval supersedes the approval issued on October 22, 2002, under product file number 20020290.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20020290.

This alternate approval is contingent upon compliance with the following stipulation(s):

- The piping material must meet ASTM Standard F714 or AWWA Standards C901 or C906.
- The minimum wall thickness of the piping being installed using this system shall be 0.375 inches.
- The joint fusion method utilized on gravity flow system(s) shall not create an obstruction or protrusion on interior pipe surfaces.
- Gravity flow piping shall be tested with water in accord with Comm 82.21 (1)(d). After completion of the water test a visual inspection shall be conducted to confirm proper pitch and joint alignment.
- The total drainage load in any portion of sanitary drain piping shall not exceed the limits specified in Comm 82.30 (4) (a) 1. and Comm 82.36 (5) for storm sewer piping systems. For sizing purposes the pipe diameters shall be based on the nominal inside diameter only.
- This system must be installed in accordance with the manufacturer's printed instructions, alternate system approval, plan approval, and Wis. Adm. Code. If there is a conflict between the manufacturer's instructions and the plan approval, alternate system approval or Wis. Adm. Code, the Wis. Adm. Code, plan approval and alternate system approval will take precedence.

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- This system may be installed for the following water and drain use(s):
  - a. Water service
  - b. Sanitary sewer
  - c. Sanitary drain and vent piping . . . . . underground
  - d. Storm sewer
  - e. Storm drain and vent piping . . . . . underground

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Michael J. Beckwith, CIPE  
Plumbing Product Reviewer  
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